

Serial No. 09/282,303

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Docket No. 3701-4000

- Cuts  
Cuts*
- means for providing the liquid or gas into the void of the core region,
  - means for introducing light into the core region, the light being adapted to interact with the gas or liquid in a manner so that the characteristic of the liquid or gas may be determined,
  - means for detecting light emitted from the fibre and for determining the characteristic of the liquid or gas.
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**REMARKS**

Please see Appendix I for a marked-up version of the amended claims. All claims amended herein had previously been dependent on claim 44. Due to the election of Group II in the Response to Restriction Requirement being filed herewith, the above claims have been amended to depend on claim 54.

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The Commissioner is hereby authorized to charge any additional fees which may be required for the timely consideration of this amendment under 37 C.F.R. §§ 1.16 and 1.17, or credit any overpayment to Deposit Account No. 13-4500, Order No. 3701-4000.

Respectfully submitted,  
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Docket No. 3701-4000**Appendix I**

Please amend claims 83, 99 and 119 as follows:

83. (Amended) An optical fibre according to claim [44] 54, wherein the core region comprises a first additional elongated element extending in the longitudinal direction of the fibre.

99. (Amended) An optical fibre according to claim [44] 54, the fibre comprising a plurality of core regions.

119. (Amended) A sensor for sensing or detecting at least one characteristic of a liquid or gas, the sensor comprising:

- a length of the optical fibre according to claim [44] 54, wherein the core region comprises at least a first additional element, the first element being a void extending along the longitudinal direction of the fibre,
- means for providing the liquid or gas into the void of the core region,
- means for introducing light into the core region, the light being adapted to interact with the gas or liquid in a manner so that the characteristic of the liquid or gas may be determined,
- means for detecting light emitted from the fibre and for determining the characteristic of the liquid or gas.